

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A device for recording information in blocks having logical addresses, ~~which the device comprises~~  
comprising:

a recording means-unit for recording marks in a track on a record carrier representing the information,

~~control means~~ a controller for controlling the recording by locating each block at a physical address in the track, the ~~control means~~ controller comprising:

an addressing means-unit for translating the logical addresses into the physical addresses and vice versa in dependence of defect management information,

a defect management means-unit for detecting defects and

maintaining the defect management information in defect management areas on the record carrier,

the defect management information including assignment information indicative of assignment of physical addresses in first parts of the track to at least one user data area, and assignment of physical addresses in second parts of the track to defect management areas, and the defect management information including remapping information indicative for translating a logical address initially mapped to a physical address exhibiting a defect to an alternate physical address in a defect management area, and

an assignment means unit for adapting the assignment information in dependence of a detected defect, detected during recording, by ~~assigning an additional physical address range to an additional defect management area, the additional physical address range creating new defect management area~~ having a starting physical address near the detected defect.

2. (Currently Amended) The device as claimed in claim 1, wherein the ~~assignment means are for assigning the additional~~

~~physical address range including new defect management area~~  
includes the detected defect.

3. (Currently Amended) The device as claimed in claim 1,  
wherein the ~~assignment means are for assigning the additional~~  
~~physical address range having new defect management area has a~~  
predefined size, or a size based on defect parameters of a  
preceding or following recording area, ~~in particular the including~~  
at least one of an amount and distribution of defect management  
areas already assigned, ~~the an amount~~ of user area between the  
~~additional physical address range new defect management area and a~~  
preceding or following defect management area, and/or detected  
defects.

4. (Currently Amended) The device as claimed in claim 1,  
wherein the ~~assignment means are for assigning the additional~~  
~~physical address range having new defect management area has a size~~  
including at least a first detected defect, a second detected  
defect and the physical addresses between the first and second

detected defect.

5. (Currently Amended) The device as claimed in claim 1,  
wherein the ~~assignment means are for assigning the additional~~  
~~physical address range to new defect management area include a~~  
range of physical address in a part of the track originally  
assigned to the at least one user data area, ~~in particular the part~~  
of the track being a free space in the user data area.

6. (Currently Amended) The device as claimed in claim 1,  
wherein the device comprises a contiguous recording detection ~~means~~  
~~unit~~ for detecting a series of blocks having a continuous logical  
address range to be recorded in a corresponding allocated physical  
address range, and

~~the assignment means are for assigning the additional physical~~  
~~address range new defect management area is outside the allocated~~  
physical address range.

7. (Currently Amended) The device as claimed in claim 6,

wherein the contiguous recording detection ~~means are~~ unit is  
configured for detecting a continuous recordings indicator in a  
recording command, or for detecting the series of blocks  
representing real-time information, ~~in particular video~~  
~~information,~~ or for detecting file system information for detecting  
that the series of blocks constitute a file.

8. (Currently Amended) A method of recording of information in  
blocks having logical addresses located at a physical address in a  
track on a record carrier,

the logical addresses corresponding to physical addresses in  
dependence of defect management information,

defects being detected and the defect management information  
being maintained in defect management areas on the record carrier,  
and

the defect management information including assignment  
information indicative of assignment of physical addresses in first  
parts of the track to at least one user data area, and assignment  
of physical addresses in second parts of the track to defect

management areas, and the defect management information including remapping information indicative for translating a logical address initially mapped to a physical address exhibiting a defect to an alternate physical address in a defect management area,

the method comprising the acts of:

adapting the assignment information in dependence of a detected defect, detected during recording, by ~~assigning an additional physical address range to an additional defect management area, the additional physical address range creating new~~ defect management area having a starting physical address near the detected defect.

Claim 9 (Canceled)

10.(New) The device of claim 1, wherein the new defect management area starts at a location of the detected defect.

11.(New) The device of claim 1, wherein the assignment unit is configured to delay creation of the new defect management area

until detection of a further detected defect.

12.(New) The device of claim 1, wherein the assignment unit is configured to delay creation of the new defect management area until detection of a further detected defect and to create the new defect management area starting with a location of the further detected defect.

13.(New) The device of claim 1, wherein the assignment unit is configured to delay creation of the new defect management area dependent on parameters including at least one of a distance from the detected defect to the previous defect management area, an amount of space left in the previous defect management area, and an amount of defects detected since the previous defect management area.

14.(New) The method of claim 8, wherein the new defect management area starts at a location of the detected defect.

15.(New) The method of claim 8, wherein creation of the new defect management area is delayed until detection of a further detected defect.

16.(New) The method of claim 8, wherein creation of the new defect management area is delayed until detection of a further detected defect and to the new defect management area is created starting with a location of the further detected defect.

17.(New) The method of claim 8, wherein creation of the new defect management area is delayed dependent on parameters including at least one of a distance from the detected defect to the previous defect management area, an amount of space left in the previous defect management area, and an amount of defects detected since the previous defect management area.

18.(New) The method of claim 8, wherein the new defect management area includes the detected defect.



19.(New) The method of claim 8, wherein the new defect management area has a predefined size, or a size based on defect parameters of a preceding or following recording area, including at least one of an amount and distribution of defect management areas already assigned, an amount of user area between the new defect management area and a preceding or following defect management area, and/or detected defects.